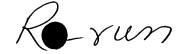# NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

[X] 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

[ ] 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).

[ ] 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

[ ] 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."

[ ] 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

[ ] 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).

[ ] 7. Other: Page 3 and Page 10 of the specification disclse sequences which lack SEQ ID NO: tags. See attached Office Action.

Applicant Must Provide:ONLY IF THE CRF/PAPR COPY SEQUENCE LISTING DOES NOT CONTAIN SAID SEQUENCEs.

[X] An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".

[X] An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.

[X] A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216
For CRF Submission Help, call (703) 308-4212
PatentIn Software Program Support (SIRA)
    Technical Assistance..703-287-0200
    To Purchase PatentIn Software........................703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

$\mathcal{R}$ run

ENTERED

RAW SEQUENCE LISTING   DATE: 08/08/2003
PATENT APPLICATION: US/09/171,607A   TIME: 11:23:08

Input Set : N:\Crf4\08082003\I171607.raw
Output Set: N:\CRF4\08082003\I171607A.raw

```
 1 <110> APPLICANT: Forssmann, Wolf-Georg
 2 <120> TITLE OF INVENTION: BIOLOGICALLY ACTIVE PROTEIN (COLLAGEN FRAGMENT HF-COLL-
18/514cf)
 3        FOR INHIBITING THE GROWTH OF TUMORS AND CAPILLARY PROLIFERATIONS
 4 <130> FILE REFERENCE: P63132US0
 5 <140> CURRENT APPLICATION NUMBER: US/09/171,607A
 6 <141> CURRENT FILING DATE: 1998-11-04
 7 <150> PRIOR APPLICATION NUMBER: PCT/EP97/02012
 8 <151> PRIOR FILING DATE: 1997-04-22
 9 <150> PRIOR APPLICATION NUMBER: DE19615710.2
10 <151> PRIOR FILING DATE: 1996-04-24
11 <160> NUMBER OF SEQ ID NOS: 2
12 <170> SOFTWARE: PatentIn version 3.2
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 170
16 <212> TYPE: PRT
17 <213> ORGANISM: Homo sapiens
18 <400> SEQUENCE: 1
19       Val Ala Leu Asn Ser Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly
20       1               5                   10                  15
21       Ala Asp Phe Gln Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ala Gly
22                   20                  25                  30
23       Thr Phe Arg Ala Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile
24               35                  40                  45
25       Val Arg Arg Ala Asp Arg Ala Ala Val Pro Ile Val Asn Leu Lys Asp
26           50                  55                  60
27       Glu Leu Leu Phe Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly
28       65                  70                  75                  80
29       Pro Leu Lys Pro Gly Ala Arg Ile Phe Ser Phe Asp Gly Lys Asp Val
30                   85                  90                  95
31       Leu Arg His Pro Thr Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp
32                   100                 105                 110
33       Pro Asn Gly Arg Arg Leu Thr Glu Ser Tyr Cys Glu Thr Trp Arg Thr
34                   115                 120                 125
35       Glu Ala Pro Ser Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly Arg
36               130                 135                 140
37       Leu Leu Gly Gln Ser Ala Ala Ser Cys His His Ala Tyr Ile Val Leu
38       145                 150                 155                 160
39       Cys Ile Glu Asn Ser Phe Met Thr Ala Ser
40                   165                 170
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 60
44 <212> TYPE: PRT
45 <213> ORGANISM: Homo sapiens
```

RAW SEQUENCE LISTING   DATE: 08/08/2003
PATENT APPLICATION: US/09/171,607A   TIME: 11:23:08

Input Set : N:\Crf4\08082003\I171607.raw
Output Set: N:\CRF4\08082003\I171607A.raw

```
   46 <220> FEATURE:
   47 <221> NAME/KEY: misc_feature
   48 <222> LOCATION: (21)..(21)
   49 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
   50 <400> SEQUENCE: 2
      51      Val Ala Leu Asn Ser Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly
      52      1               5                   10              15
W--> 53      Ala Asp Phe Gln Xaa Phe Gln Gln Ala Arg Ala Val Gly Leu Ala Gly
      54                  20              25              30
      55      Thr Phe Arg Ala Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile
      56              35              40              45
      57      Val Arg Arg Ala Asp Arg Ala Ala Val Pro Ile Val
      58          50              55              60
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/08/2003
PATENT APPLICATION: US/09/171,607A   TIME: 11:23:09

Input Set : N:\Crf4\08082003\I171607.raw
Output Set: N:\CRF4\08082003\I171607A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 21

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2

VERIFICATION SUMMARY　　　　　　　　DATE: 08/08/2003
PATENT APPLICATION:　US/09/171,607A　　TIME: 11:23:09

Input Set : **N:\Crf4\08082003\I171607.raw**
Output Set: **N:\CRF4\08082003\I171607A.raw**

L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16